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MAPS.

GEOLOGY OF OHIO.—VOLUME VI.

EDWARD ORTON, STATE GEOLOGIST.

1888.

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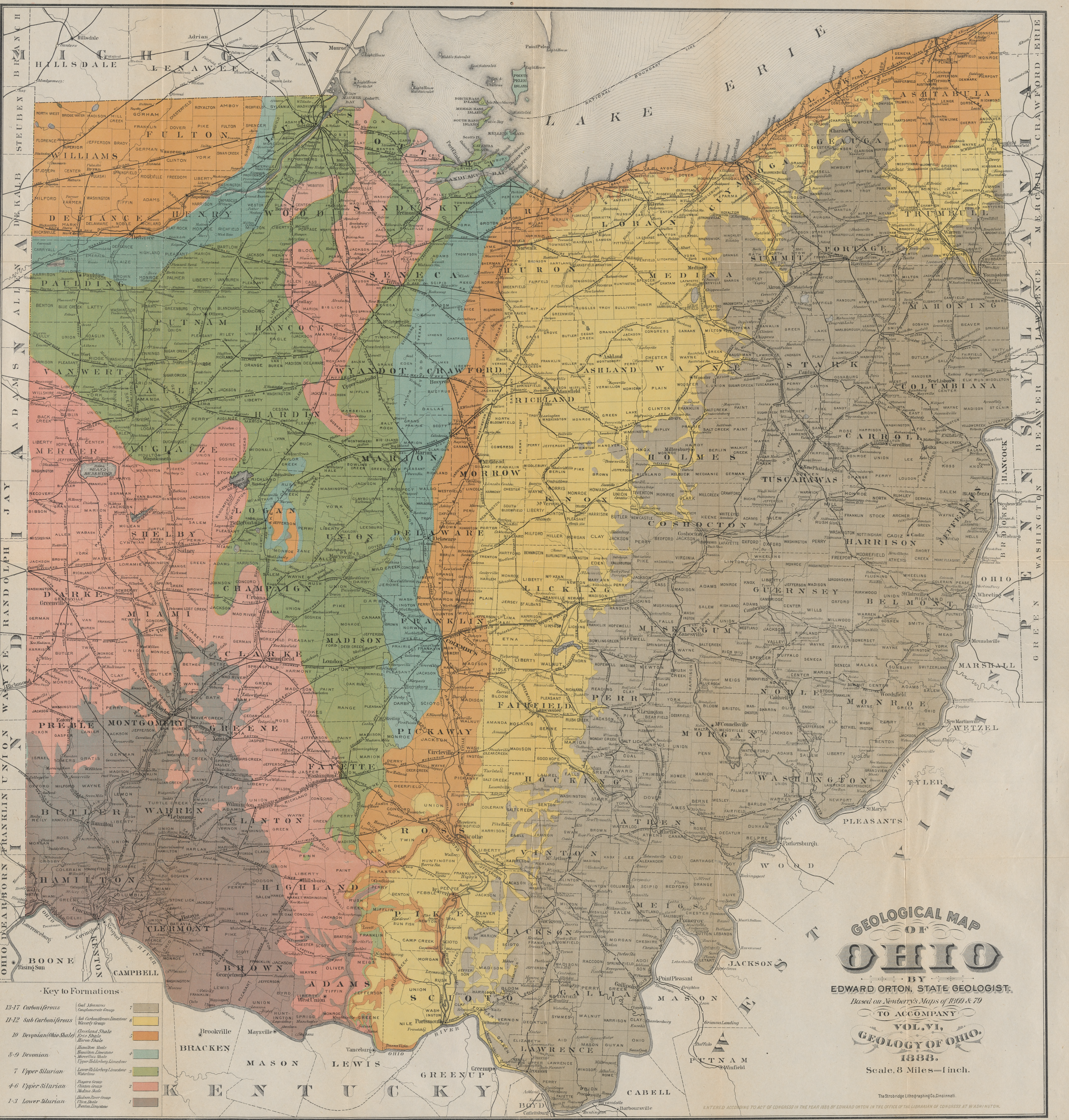
MAP No. 1. Geological Map of Ohio. Scale, 8 miles to 1 inch.

MAP No. 2. Gas Fields and Oil Fields of Hancock and Wood Counties. Scale, 2 miles to 1 inch.

MAP No. 3. Oil Fields and Gas Fields of Allen, Auglaize and Mercer Counties. Scale, 2 miles to 1 inch.

MAP No. 4. Territory of Berea Grit in Ohio. Scale, 12 miles to 1 inch.


MICHIGAN
LAKE ERIE
INDIANA
PENNSYLVANIA
WEST VIRGINIA
KENTUCKY
WILLIAMS
FULTON
LUCAS
OTTAWA
DEFIANCE
HENRY
WOOD
SANDUSKY
ERIE
LORAIN
CUYAHOGA
LAKE
GEAUGA
ASHTABULA
TRUMBULL
PORTAGE
SUMMIT
MEDINA
HURON
SENECA
PAULDING
PUTNAM
HANCOCK
WYANDOT
CRAWFORD
RICHLAND
ASHLAND
WAYNE
STARK
MAHONING
COLUMBIANA
VANWERT
ALLEN
HARDIN
MARION
MORROW
KNOX
HOLMES
TUSCARAWAS
CARROLL
JEFFERSON
MERCER
AUGLAIZE
LOGAN
UNION
DELAWARE
LICKING
COSHOCTON
HARRISON
SHELBY
DARKE
MIAMI
CHAMPAIGN
CLARKE
MADISON
FRANKLIN
MUSKINGUM
GUERNSEY
BELMONT
PREBLE
MONTGOMERY
GREENE
FAYETTE
PICKAWAY
FAIRFIELD
PERRY
MORGAN
NOBLE
MONROE
BUTLER
WARREN
CLINTON
ROSS
HOCKING
ATHENS
WASHINGTON
HAMILTON
CLERMONT
HIGHLAND
VINTON
MEIGS
BROWN
ADAMS
PIKE
JACKSON
GALLIA
SCIOTO
LAWRENCE
OHIO RIVER

GEOLOGICAL MAP OF OHIO

BY

EDWARD ORTON, STATE GEOLOGIST.

Based on Newberry's Maps of 1869 & 79

TO ACCOMPANY

VOL. VI,

GEOLOGY OF OHIO.

1888.

Scale, 8 Miles = 1 inch.

Key to Formations

13-17	*Carboniferous*	*Coal Measures* *Conglomerate Group*	7	⬜
11-12	*Sub Carboniferous*	*Sub Carboniferous Limestone* *Waverly Group*	6	🟨
10	*Devonian (Ohio Shale)*	*Cleveland Shale* *Erie Shale* *Huron Shale*	5	🟧
8-9	*Devonian*	*Hamilton Shale* *Hamilton Limestone* *Marcellus Shale* *Upper Helderberg Limestone*	4	🟦
7	*Upper Silurian*	*Lower Helderberg Limestone* *Waterlime*	3	🟩
4-6	*Upper Silurian*	*Niagara Group* *Clinton Group* *Medina Shale*	2	🟥
1-3	*Lower Silurian*	*Hudson River Group* *Utica Shale* *Trenton Limestone*	1	🟫

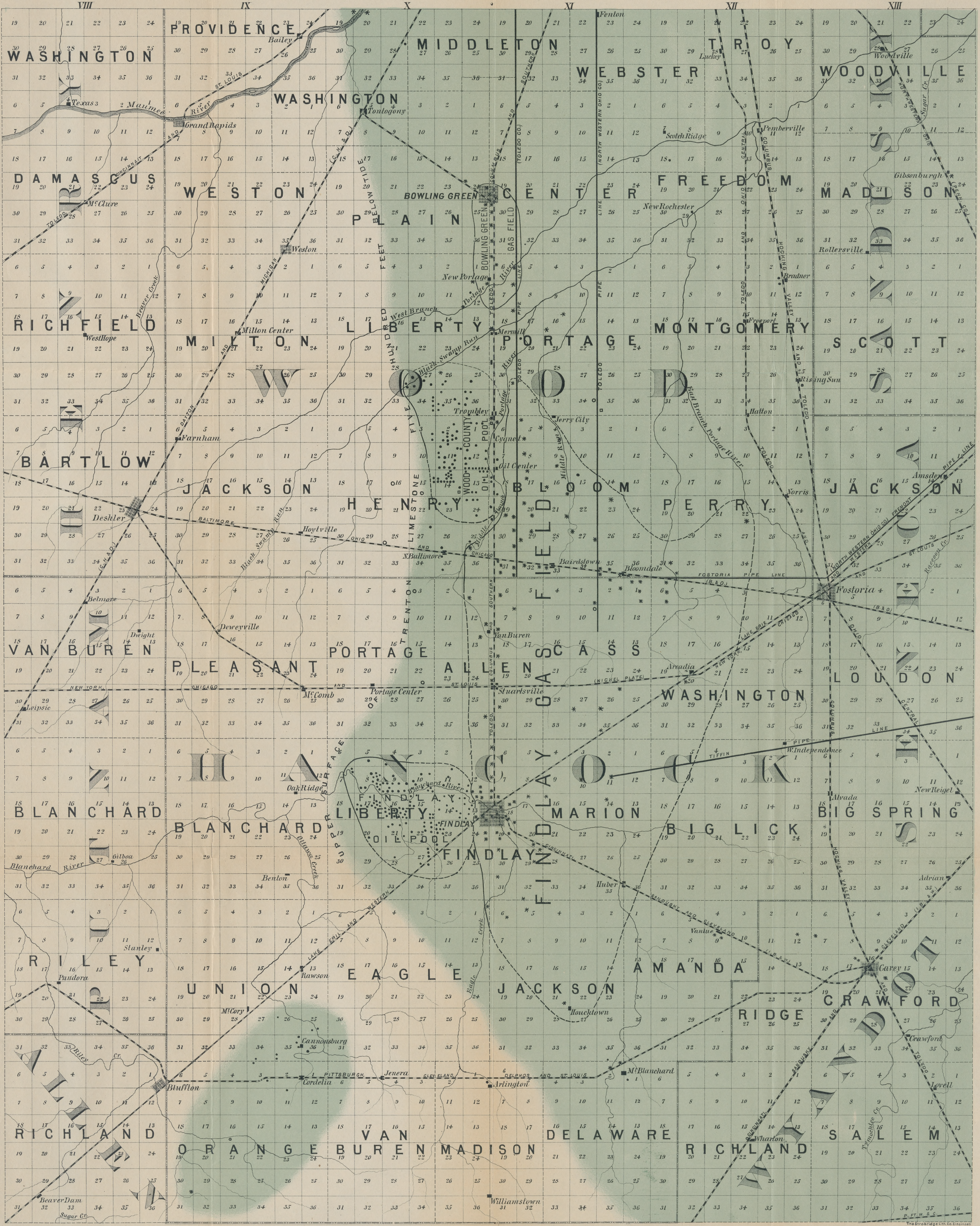
The Strobridge Lithographing Co., Cincinnati.

ENTERED ACCORDING TO ACT OF CONGRESS IN THE YEAR 1888 BY EDWARD ORTON IN THE OFFICE OF THE LIBRARIAN OF CONGRESS AT WASHINGTON.

MAP OF THE OIL AND GAS FIELDS OF HANCOCK AND WOOD COUNTIES.

OHIO GEOLOGICAL SURVEY. EDWARD ORTON, STATE GEOLOGIST.

DRAWN BY M. R. CAMPBELL.



VIII
IX
X
XI
XII
XIII
WOOD
HANCOCK
HENRY
PUTNAM
ALLEN
SANDUSKY
SENECA
WYANDOT
WASHINGTON
PROVIDENCE
MIDDLETON
WEBSTER
TROY
WOODVILLE
DAMASCUS
WESTON
PLAIN
CENTER
FREEDOM
MADISON
RICHFIELD
MILTON
LIBERTY
PORTAGE
MONTGOMERY
SCOTT
BARTLOW
JACKSON
BLOOM
PERRY
VAN BUREN
PLEASANT
ALLEN
CASS
WASHINGTON
LOUDON
BLANCHARD
FINDLAY LIBERTY
MARION
BIG LICK
BIG SPRING
RILEY
UNION
EAGLE
AMANDA
RIDGE
CRAWFORD
RICHLAND
ORANGE
VAN BUREN
MADISON
DELAWARE
SALEM
FINDLAY
FINDLAY OIL POOL
WOOD COUNTY OIL POOL
BOWLING GREEN GAS FIELD
FINDLAY GAS FIELD
UPPER SURFACE
FIVE HUNDRED FEET BELOW TIDE
TRENTON LIMESTONE
Maumee River
Bailey
Grand Rapids
Texas
Tontogony
Fenton
Lackey
Woodville
Pemberville
Scotch Ridge
Gibsonburgh
Bowling Green
New Rochester
McClure
Weston
Rollersville
New Portage
Bradner
Milton Center
West Hope
Mermill
Freeport
Rising Sun
Trombley
Cygnet
Jerry City
Farnham
Hatton
Oil Center
Norris
Amsden
Deshler
Hoytville
N. Baltimore
Bairdstown
Bloomdale
Fostoria
Belmore
Dwight
Deweyville
Van Buren
Stuartsville
Portage Center
McComb
Arcadia
Leipsic
W. Independence
Oak Ridge
Alvada
New Reigel
Gilboa
Benton
Huber
Adrian
Blanchard River
Stanley
Vanlue
Pandora
Rawson
Carey
McCory
Houcktown
Cannonsburg
Crawford
Bluffton
Cordelia
Jenera
Arlington
Mt. Blanchard
Lovell
Wharton
Beaver Dam
Williamstown
Sugar Cr.
Riley Cr.
Eagle Creek
Ottawa Creek
Blanchard River
Black Swamp Run
Portage River
East Branch Portage River
Sandusky River
Tymochtee Cr.
Toledo Pipe Line
Fostoria Pipe Line
Tiffin Pipe Line
Central Ohio Pipe Line
Baltimore and Ohio
Chicago
New York Chicago and St. Louis (Nickel Plate)
Pittsburgh Cleveland Delphos and St. Louis
Lake Erie and Western
Toledo and Ohio Central
Columbus Hocking Valley and Toledo
Cincinnati Hamilton and Dayton
Toledo Columbus and Southern
Wabash St. Louis
North Western Ohio Co.
The Strobridge Lith. Co. Cincinnati

Scale, 2 Miles, ═ 1 inch.
Oil Wells, ... ●
Gas Wells, ... ✱

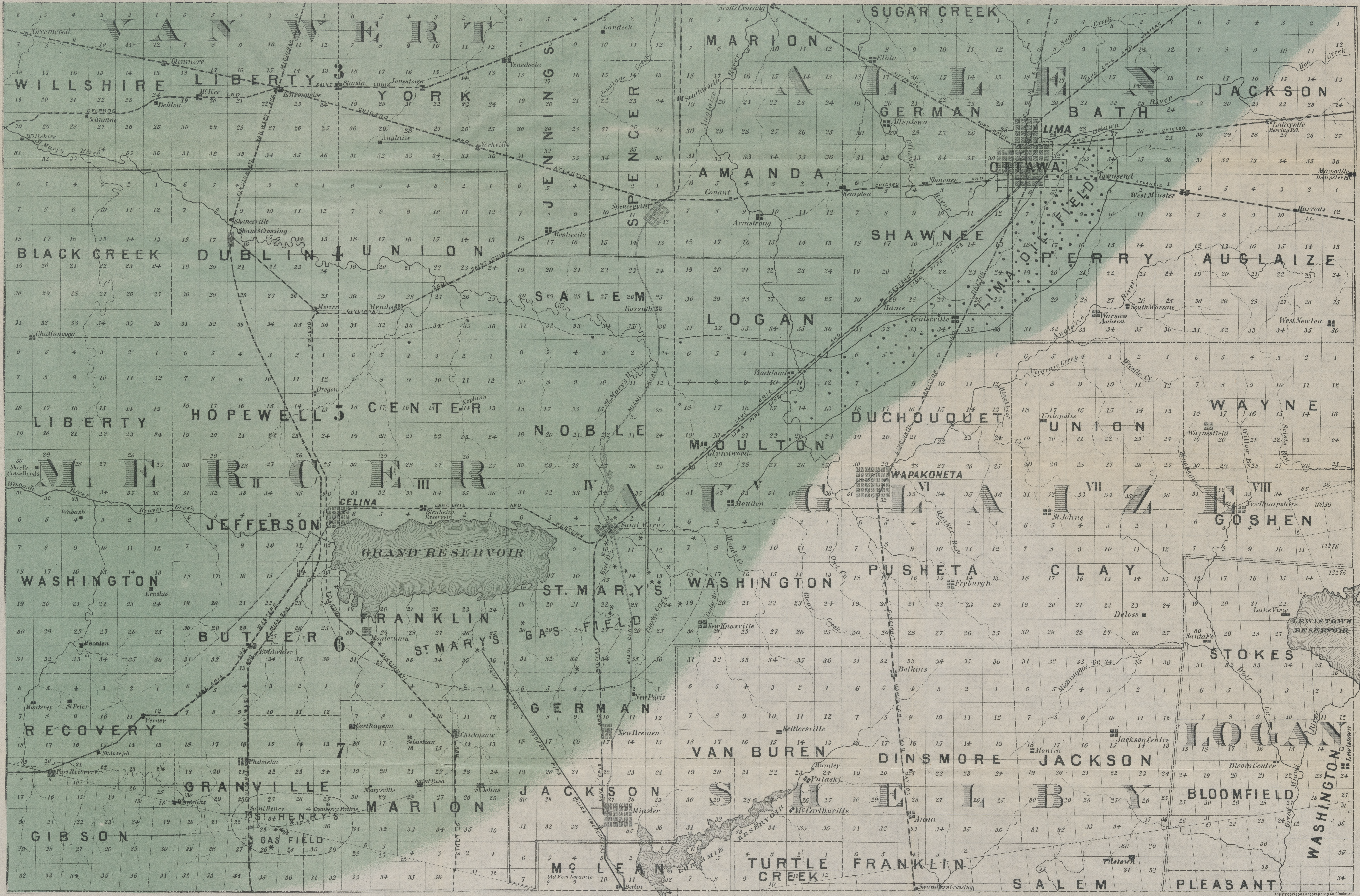
In the colored areas, the Trenton Limestone is more or less productive of Petroleum and Gas. The principal fields, as at present developed, are included within entire and broken boundaries.

In the uncolored areas, the Trenton Limestone, is mainly occupied by salt water.

MAP OF THE OIL AND GAS FIELDS OF ALLEN, AUGLAIZE AND MERCER COUNTIES.

OHIO GEOLOGICAL SURVEY. EDWARD ORTON, STATE GEOLOGIST.

1888.


VAN WERT
WILLSHIRE
LIBERTY
YORK
JENNINGS
SPENCER
MARION
SUGAR CREEK
ALLEN
GERMAN
BATH
JACKSON
AMANDA
LIMA
OTTAWA
SHAWNEE
PERRY
AUGLAIZE
LIMA OIL FIELD
BLACK CREEK
DUBLIN
UNION
SALEM
LOGAN
HOPEWELL
CENTER
NOBLE
MOULTON
DUCHOUQUET
UNION
WAYNE
MERCER
AUGLAIZE
JEFFERSON
CELINA
GRAND RESERVOIR
WAPAKONETA
GOSHEN
WASHINGTON
ST. MARY'S
PUSHETA
CLAY
FRANKLIN
BUTLER
ST. MARY'S GAS FIELD
STOKES
LEWISTOWN RESERVOIR
GERMAN
RECOVERY
GRANVILLE
MARION
VAN BUREN
DINSMORE
JACKSON
LOGAN
SHELBY
BLOOMFIELD
WASHINGTON
GIBSON
ST. HENRY'S GAS FIELD
MINSTER
LORAMIE RESERVOIR
McLEAN
TURTLE CREEK
FRANKLIN
SALEM
PLEASANT
Spencerville
Delphos
Kossuth
Cridersville
Buckland
New Bremen
New Knoxville
Fort Recovery
Coldwater
Minster
St. Henry
Mendon
Fryburgh
Waynesfield
Anna
Botkins

The Strobridge Lithographing Co. Cincinnati

Scale, 2 Miles, ═ 1 inch.
Oil Wells, ... ●
Gas Wells, ... ✳

In the colored areas, the Trenton Limestone is more or less porous, and consequently contains Petroleum, Gas or Salt Water.
The principal Oil and Gas fields, as at present developed, are indicated by entire and broken boundaries.
In the uncolored areas, the Trenton Limestone is, for the most part, wanting in porosity.

LAKE ERIE
KELLEY'S ISLAND
OTTAWA
SANDUSKY
ERIE
LORAIN
CUYAHOGA
GEAUGA
LAKE
ASHTABULA
TRUMBULL
PORTAGE
SUMMIT
MEDINA
HURON
SENECA
WYANDOT
CRAWFORD
RICHLAND
ASHLAND
WAYNE
STARK
MAHONING
COLUMBIANA
CARROLL
HOLMES
TUSCARAWAS
HARRISON
JEFFERSON
MARION
MORROW
KNOX
COSHOCTON
DELAWARE
LICKING
GUERNSEY
BELMONT
MUSKINGUM
FRANKLIN
FAIRFIELD
PERRY
NOBLE
MONROE
PICKAWAY
HOCKING
MORGAN
WASHINGTON
ROSS
VINTON
ATHENS
PIKE
JACKSON
MEIGS
SCIOTO
GALLIA
LAWRENCE
KY
W. VA.
PENN.
Ohio River
CLEVELAND
COLUMBUS
A
B
C
D
E
F
M.R.C. Del.

EXPLANATION
Above sea level ▨
Below sea level ▦
Lines of sections ———

MAP OF
THE BEREA GRIT
IN
OHIO
BY
EDWARD ORTON, STATE GEOLOGIST
TO ACCOMPANY
REPORT
ON OIL WELLS AND GAS WELLS
1887.